

In the claims:

1 1. In a telephonic communication system permitting of a call, originated at a calling
2 station, to be placed to a selected public safety answering point of a set of public safety
3 answering points by way of a call routing entity of a set of call routing entities, an improvement
4 of apparatus for facilitating service handling of the call to the selected public safety answering
5 point together with providing selected information pertaining to the calling station to the selected
6 public safety answering point, said apparatus comprising:

7 a centralized routing data base maintainable in communication connectivity with each
8 call routing entity of the set of call routing entities, said centralized routing data base containing
9 a listing indexing together a calling-station identity of the calling station and a public safety
10 identity of at least one of the public safety access points, said centralized routing data base
11 accessed by the call routing entity by way of which the call is placed at least to identify the
12 selected public safety answering point to which to route the call, the selected public safety
13 answering point comprising the public safety answering point indexed together with the calling
14 station.

1 2. The apparatus of claim 1 wherein the telephonic communication system
2 comprising a signaling transfer point maintainable in communication connectivity with each of
3 the call routing entities and wherein said centralized routing data base is embodied at the
4 signaling transfer point.

1 3. The apparatus of claim 1 wherein the public safety access points each have
2 associated therewith an emergency services number and wherein the public-safety identity

3 forming part of the listing contained at said centralized routing data base comprises the
4 emergency services number associated therewith.

1 4. The apparatus of claim 3 wherein said centralized routing data base comprises a
2 NENA-compliant (National Emergency Numbering Association-compliant) PSAP (Public Safety
3 Answering Point) routing data base.

1 5. The apparatus of claim 1 further comprising a centralized location identifier data
2 base also maintainable in communication connectivity with each call routing entity of the set of
3 call routing entities, said centralized location identifier data base containing positional indicia
4 associated with the calling station.

1 6. The apparatus of claim 1 wherein each call routing entity of the set of call routing
2 entities comprises a 9-1-1 tandem switch element and wherein said centralized call routing data
3 base is maintained in communication connectivity with each of the 9-1-1 tandem switches.

1 7. The apparatus of claim 1 wherein the calling station comprises a mobile station,
2 the mobile station having associated therewith positional indicia identifying a location thereof
3 when the call is originated therefrom, indications of the positional indicia used to identify which
4 of the public safety access points comprises the selected public safety access point.

1 8. The apparatus of claim 7 further comprising a centralized routing node at which
2 said centralized routing data base is embodied, the positional indicia identifying the location of
3 the mobile station further maintained at the centralized routing node.

1 9. The apparatus of claim 8 wherein the centralized routing node at which said
2 centralized routing data base is embodied comprises a signaling server.

1 10. The apparatus of claim 1 wherein the selected information pertaining to the
2 calling station comprises positional indicia identifying a location at which the calling station is
3 positioned when the call is originated.

1 11. The apparatus of claim 1 wherein the call routing entity by way of which the
2 calling station places the call inquires of said centralized routing data base of the selected public
3 safety answering point associated with the calling station, and wherein the call routing entity
4 routes the call to the selected public safety answering point responsive to responses made to
5 inquiry of the centralized routing data base.

1 12. In a method for communicating in a telephonic communication system permitting
2 of a call, originated at a calling station, to be placed to a selected public safety answering point of
3 a set of public safety answering points by way of a call routing entity of a set of call routing
4 entities, an improvement of a method for facilitating service handling of the call to the selected
5 public safety answering point together with providing selected information pertaining to the
6 calling station to the selected public safety answering point, said method comprising:

7 forming a centralized routing data base containing a listing indexing together a calling
8 station identity of the calling station and a public safety identity of at least one of the public
9 safety answering points, the centralized routing data base maintainable in communication
10 connectivity with each call routing entity of the set of call routing entities.;

11 routing the call, when originated at the calling station, to the call routing entity of the set
12 of call routing entities; and

13 accessing, from the call routing entity, the centralized routing data base, to identify
14 therefrom the selected public safety answering point to which further to route the call, the
15 selected public safety answering point comprising the public safety answering point indexed
16 together with the calling station.

1 13. The method of claim 12 comprising the further operation of further routing the
2 call to the public safety answering point.

- 1 14. The method of claim 12 wherein the centralized routing data base formed during
- 2 said operation of forming is formed at a signaling transfer point.

1 15. The method of claim 12 wherein the public safety answering points each have
2 associated therewith an emergency services number and wherein the public safety identity
3 forming part of the listing contained in the data base formed during said operation of forming
4 comprises the emergency service number associated with the public safety answering point.

1 16. The method of claim 12 wherein the centralized routing data base formed during
2 said operation of forming comprises an NENA-compliant (National Emergency Numbering
3 Association-compliant) public safety answering point routing data base.

1 17. The method of claim 12 wherein the calling station comprises a mobile station
2 and wherein said method further comprises the operation of forming a centralized positional
3 indication data base containing positional indicia associated with the calling station.

1 18. The method of claim 17 wherein the positional indication data base formed during
2 said operation of forming the centralized positional indication data base further associates public
3 safety answering points associated with the positional indicia.

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1 19. The method of claim 17 further comprising the operation of accessing the
2 positional indication data base to ascertain the public safety answering point associated with the
3 mobile station when positioned at a location indicated by the positional indicia.

1 20. The method of claim 18 wherein the centralized positional indication data base
2 and the centralized routing data base are embodied theretogether.